

**CHESTER-LE-STREET
RURAL DISTRICT COUNCIL**

**HEALTH DEPARTMENT
172, FRONT STREET
CHESTER-LE-STREET**



ANNUAL REPORT

OF THE

Medical Officer of Health

FOR THE YEAR 1968.

J. L. SIDDLE, M.B., B.S., D.P.H.
Medical Officer of Health

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**MEMBERS OF HEALTH AND GENERAL PURPOSES
COMMITTEE, 1968.**

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J. W. Bickle
Mrs. A. Black
Mrs. E. Brown
A. D. Brewis
J. Colman
J. Craggs
J. F. Dunn
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J. W. Young.

CHESTER-LE-STREET RURAL DISTRICT COUNCIL

Health Department,
172, Front Street,
Chester-le-Street.

To the Chairman and Members of the Chester-le-Street Rural District Council.

I have pleasure in presenting the Annual Report for 1968.

The vital statistics showed little change, although the birth rate rose slightly, and the death rate fell a little, whilst the infant mortality rate showed a slight rise.

The population of the district continued to rise, and the general standard of housing continued to improve with 73 houses condemned, and a total of 372 new houses being erected in the area.

The introduction of measles vaccination during the year should result in large reductions in cases of this disease in the near future.

I wish to thank the Chairman and Members of the Council for their continued help and support, and also the staff of the Department for their efforts and enthusiasm during the year.

I am, Ladies and Gentlemen,

Your Obedient Servant,

J. L. SIDDLE,

Medical Officer of Health.

ANNUAL HEALTH REPORT

PUBLIC HEALTH OFFICERS OF THE LOCAL AUTHORITY

Medical Officer of Health—(Joint Appointment with U.D.C. and Durham C.C.).

J. L. SIDDLE, M.B., B.S., D.P.H.

Chief Public Health Inspector :

ROBERT REID MacDOUGALL, M.A.P.H.I., A.R.S.H., R.P.,
Certificate for the Inspection of Meat and Other Foods.

Additional Public Health Inspectors :

ANTHONY WILLIS, M.A.P.H.I., M.R.S.H.,
RODERICK ADRIAN WILLIAM MARSHALL, M.A.P.H.I.
(Appointed February, 1968.)

Pupil Public Health Inspector :

GLEN LINDSAY SCOTT MacADAM

Housing Visitor and Organiser of Services for the Elderly :

SHIRLEY MARGARET ANDERSON.

Clerical Staff :

VICTOR MOORE

JEAN MILFORD.

Rodent Officer : JOHN CORKER.

SECTION A.

NATURAL AND SOCIAL CONDITIONS IN THE AREA

	1931	1967	1968
Area (acres)	26,925	22,226	22,226
Population	52,991	45,680	46,064
Persons per Acre	1.97	2.05	2.07
Inhabited Houses	12,026	15,585	15,717
Rateable Value	£173,350	£1,502,193	£1,529,076
Penny Rate Product	£635	£5,699	£6,081

* Registrar General's mid-year estimate including members of the armed forces stationed in area.

The estimated population rose by approximately 970.

The increased number of houses indicates the extent to which the district is becoming residential for people working in the adjoining industrial areas.

Area

The area of the Rural District remains unchanged at 22,226 acres.

The density of the population for the year being 2.07 persons per acre.

Table 1
BIRTH RATE, DEATH RATE AND ANALYSIS OF MORTALITY DURING THE YEAR 1968.

Based on Registrar's-Generals Provisional Figures	Rate per 1,000 Home Population		Rate per 1,000 Total Births		Annual Death-Rate per 1,000 Home population									Rate per 1,000 Live Births (Registered)
	Birth Rate	Still Births	All Causes	Acute Poliomyelitis and Polioencephalitis	Pneumonia	Whooping Cough	Diphtheria	T.B. (All Forms)	Influenza	Coronary	Cancer of Lung	Total deaths under one year.		
England and Wales	16.9	14.3	11.9	0.00	0.87	0.00	0.00	0.04	0.09	—	0.59	18.3		
Durham County	16.1	15.0	11.5	0.00	0.60	0.00	0.00	0.04	0.06	2.92	0.53	20.0		
Chester-le-Street R.D.	18.0	18.9	10.6	0.00	0.60	0.00	0.00	0.09	0.02	2.80	0.52	16.0		

VITAL STATISTICS

Population

The Registrar General's estimated mid-year population for 1968 was 46,060.

The estimates for the past 10 years are given below :—

						<i>Reg. General's est. population</i>
1959	.....	.....	.....	.....	.....	41,550
1960	.....	.....	.....	.....	.....	41,890
1961	.....	.....	.....	.....	.....	41,240
1962	.....	.....	.....	.....	.....	41,980
1963	.....	.....	.....	.....	.....	43,090
1964	.....	.....	.....	.....	.....	43,590
1965	.....	.....	.....	.....	.....	44,310
1966	.....	.....	.....	.....	.....	45,090
1967	.....	.....	.....	.....	.....	45,680
1968	.....	.....	.....	.....	.....	46,060

figure given for the 1966 Sample Census was 44,070.

Births

The Birth Rate rose from 17.1 in 1967 to 18.0 in 1968. Total live births were 783 for 1967 and 830 for 1968.

Live Births :—

Legitimate :	418 male	376 female.	Total 794
Illegitimate :	20 male,	16 female	Total 36

(4.3% of total births)

Total Births 830

Crude Birth Rate per 1,000 of the estimated resident population	18.0
---	------

Standardised Birth Rate per 1,000 population	17.6
--	------

Still births (10 female, 6 male). Rate per 1,000 total (live and still births)	18.9
--	------

Deaths

Table 2.

The number of deaths during 1968 was 491 compared with 490 for 1967. The crude death rate being 10.6 for 1968, as compared with 10.7 for 1967.

CAUSE OF DEATH	4 weeks and under																75 & over
	All ages		4 wk	1 yr	1	5	15	25	35	45	55	65					
	M	F															
Enteritis and Other Diarrhoeal Diseases	—	1	—	—	—	—	—	—	—	—	1	—	—				
Tuberculosis of Respiratory System	3	—	—	—	—	—	—	—	—	—	3	—	—				
Other Tuberculosis, Incl. Late Effects	1	—	—	—	—	—	—	—	—	—	—	1	—				
Malignant Neoplasm—Stomach	3	7	—	—	—	—	—	—	2	4	—	—	4				
Malignant Neoplasm—Lung, Bronchus	21	3	—	—	—	—	—	1	3	11	4	—	5				
Malignant Neoplasm—Breast	—	8	—	—	—	—	—	—	1	2	2	—	3				
Malignant Neoplasm—Uterus	—	3	—	—	—	—	—	—	—	—	—	1	2				
Leukaemia	3	1	—	—	—	—	—	—	—	1	—	—	2				
Other Malignant Neoplasms, etc.	17	24	—	—	—	—	—	—	2	8	9	9	13				
Benign and Unspecified Neoplasms	—	1	—	—	—	1	—	—	—	—	—	—	—				
Diabetes Mellitus	2	4	—	—	—	—	—	—	—	—	—	3	3				
Other Endocrine etc., Diseases.....	1	2	—	—	—	—	—	—	1	—	—	—	2				
Anaemias	1	2	—	—	—	—	—	—	—	—	1	—	2				
Mental Disorders	3	1	—	—	—	—	—	—	—	—	—	—	4				
Other Disease of Nervous System, etc.	3	5	—	—	—	—	1	1	—	—	1	2	3				
Chronic Rheumatic Heart Disease	5	7	—	—	—	—	—	—	2	3	4	2	1				
Hypertensive Disease	4	4	—	—	—	—	—	—	—	—	2	2	4				
Ischaemic Heart Disease.....	68	62	—	—	—	—	—	2	4	6	27	36	55				
Other Forms of Heart Disease	10	7	—	—	—	—	—	—	—	3	1	3	10				
Cerebrovascular Disease	35	33	—	—	—	—	—	—	1	7	8	21	31				
Other Diseases of Circulatory System	7	10	—	—	—	—	—	—	1	1	1	4	10				
Influenza	1	—	—	—	—	—	—	—	—	—	1	—	—				
Pneumonia	12	16	—	5	—	—	—	—	1	1	—	7	14				
Bronchitis and Emphysema	29	4	—	—	—	—	—	—	—	5	7	15	6				
Asthma	1	2	—	—	—	—	—	—	—	2	1	—	—				
Other Diseases of Respiratory System	10	4	—	—	—	—	—	1	1	—	2	3	7				
Peptic Ulcer	—	3	—	—	—	—	—	—	—	1	—	1	1				
Cirrhosis of Liver	1	—	—	—	—	—	—	—	1	—	—	—	—				
Other Diseases of Digestive System	—	3	—	—	—	—	—	—	—	—	—	1	2				
Nephritis and Nephrosis.....	2	—	—	—	—	—	—	—	—	—	—	1	1				
Hyperplasia of Prostate	4	—	—	—	—	—	—	—	—	—	—	2	2				
Other Diseases, Genito-Urinary System	1	2	—	—	—	—	—	—	—	—	—	1	2				
Diseases of Musculo-Skeletal System	—	1	—	—	—	—	—	—	—	1	—	—	—				
Congenital Anomalies	2	2	—	3	—	—	—	—	—	—	1	—	—				
Birth Injury, Difficult Labour, etc.	1	—	1	—	—	—	—	—	—	—	—	—	—				
Other causes of Perinatal Mortality	2	—	2	—	—	—	—	—	—	—	—	—	—				
Symptoms and Ill-Defined Conditions	1	1	—	—	—	—	—	—	—	—	—	—	2				
Motor Vehicle Accidents.....	3	1	—	—	—	—	2	—	—	1	—	1	—				
All Other Accidents	4	4	2	—	—	—	2	—	—	—	1	—	3				
Suicide and Self-Inflicted Injuries	1	1	—	—	—	—	—	—	1	—	1	—	—				
TOTAL ALL CAUSES Male	262	3	3	—	—	3	1	14	27	66	61	84	—				
Female	229	2	5	—	1	2	3	2	19	23	62	110	—				

Table 3.

The following were the chief causes of death during the year.

	1967		1968	
	<i>No. of deaths</i>	<i>% of total deaths</i>	<i>No. of deaths</i>	<i>% of total deaths</i>
1. Diseases of heart and circulatory system	262	53.5	252	51.3
2. Cancer	88	18.0	90	18.3
3. Respiratory Diseases (Ex. Pul. T.B.)	50	10.2	79	16.1
4. Violence (4 Road traffic deaths, 8 other violent causes, 2 suicide)	26	5.3	14	2.8
5. Tuberculosis (all forms)	3	0.5	4	0.8

Chief Causes of Death

Cancer

There were 90 deaths from Cancer, an increase of two over the 1967 figure. Cancer of the lungs caused 24 deaths—21 of whom were men. Cancer in some form was responsible for 61 deaths of persons below 65 years of age.

Coronary Diseases

The number of deaths from coronary artery disease was 130, which was a slight reduction as compared with the previous year (139). These deaths contributed 26% of all deaths. The death rate for coronary artery disease being 2.80. The figure for Durham County was 2.92.

Respiratory Diseases

Deaths under this heading rose considerably from 50 in 1967 to 79 in 1968. This rise was mainly due to the increased number of deaths due to chronic bronchitis.

Violent Deaths

The figure of deaths from violence was almost half that for the previous year—14 as compared with 26. Road deaths were halved and suicide deaths fell from 7 to 2.

Infant Mortality

Deaths of children under one year of age rose slightly from 11 in 1967 to 13 in 1968. The Infant Mortality for the year being 16.

However, in spite of the slight rise in the past two years the figure is still below that of Durham County, and of England and Wales.

				Infant Mortality	Perinatal	Neonatal	Still birth
1959	....	....	....	37	53.7	25.5	31.9
1960	....	....	....	22	34.7	13.3	21.7
1961	....	....	....	23	33.9	13.1	27.0
1962	.....	.....	.....	20.9	27.1	14.4	15.5
1963	....	....	....	22.6	49.0	18.6	30.9
1964	....	....	....	28.8	41.7	21.3	20.8
1965	....	....	....	20.5	39.0	20.5	18.8
1966	....	....	....	13.4	15.7	9.8	8.5
1967	....	....	....	14.0	18.9	10.2	12.6
1968	....	....	....	16.0	25.0	6.0	18.9

Infant Mortality Rate for a district: The number of deaths in that district of infants under 1 year of age, calculated per 1,000 live births.

Still Birth Rate: The number of still births expressed per 1,000 total births (live and still births).

Neonatal Mortality Rate: The number of deaths in infants under 4 weeks of age, expressed per 1,000 live births.

Perinatal Mortality Rate: The combined still births and deaths in the first week of life, expressed as a rate per 1,000 total births (live and still births).

Infant Death Analysis

5 of the 13 deaths took place in the first week of life. Of the other 8 deaths, 5 were due to pneumonia, which is looked upon as preventable.

Table 4.

INFANT DEATHS ANALYSIS—1968.

Cause of Death	Under Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 4 Weeks	1-3 months	3-6 months	6-9 months	9-12 months	Total Deaths under 1 year
Birth Injury	1	—	—	—	1	—	—	—	—	1
Pneumonia	—	—	—	—	—	1	3	1	—	5
Congenital Anomalies	—	—	—	—	—	1	—	2	—	3
Accidents	2	—	—	—	2	—	—	—	—	2
Prematurity	2	—	—	—	2	—	—	—	—	2
Total	5	—	—	—	5	—	—	—	—	13

SECTION B.

GENERAL PROVISIONS OF HEALTH SERVICES IN THE AREA

(1) Laboratory Services Available

1. Durham Group of Hospitals — Department of Pathology.
2. Public Health Laboratory — General Hospital, Westgate Road, Newcastle upon Tyne.
3. County Analyst, County Hall, Durham.

(2). Local Health Authority Services

The Administrative County is divided up into areas. Chester-le-Street Urban and Rural Districts forming No. 4 Area. For each area a Health Sub-Committee has been appointed to exercise on behalf of the County Health Committee, certain functions relating to services under the National Health Services Act, 1946

All day-to-day administration of the County Service is carried out by County Headquarters. The Assistant County Medical Officer deputises for the County Medical Officer of Health at quarterly meetings of the Area Sub-Committee.

(a) Health Visitor Service :

There are 6 Health Visitors employed by the County Council working in the Chester-le-Street Rural District. A survey of the work done by them is given below :—

Visits paid to:—

Maternity and Child Welfare	.....	9,493
Tuberculosis	.....	161
School Work	.....	181
General Health	.....	133
Mental Deficiency	.....	105
Aged People	.....	631

Summary:—

Ineffective Visits	.....	1,667
Total Number of Visits	.....	11,260
Number of Effective Visits	.....	9,593
Time (as days) spent on Visits (Routine, other and ineffective)	.....	736
Average Daily number of Effective Visits per Health Visitor	.....	13

Clinics, etc., Work:—

*Time (as days)
Spent:*

(a) at Maternal and Child Welfare Centre	.....	.....	579
(b) at Chest Clinics and contact sessions	.....	.....	12
(c) at School Head to Head Inspections	.....	.....	1
(d) at School Medical Inspections	.....	.....	1
(e) at Nursery Schools	.....	.....	1

(b) Clinics

In the Rural District during the year the County Council had four clinics which were utilised in connection with local health authority services in the district. In some cases the clinics held in the Urban District are more convenient for certain of the rural district inhabitants so that these have been included in the table shown.

Address of Centre	Sessions	
Hexham Villa, Birtley. Telephone 2752	Child Welfare	 Friday, weekly
	Birth Control	— Alternate Monday afternoons
	Post-Natal and Ante-Natal	
	Dental Clinic	— 1st and 3rd Friday afternoons 1-30—2-30.
	Ultra Violet Ray.	 Friday afternoons weekly
	Hearing Tests	 Alternate Monday, a.m.
Mains Farm House. West Lane, Chester-le-Street. Telephone 3286	Child Welfare	 Tuesdays weekly and alternate Wednesdays.
	Ante-Natal and Post-Natal	Alternate Wednesday mornings.
	Health Visitor	 Alternate Thursdays. a.m.
	Health Education and Relaxation	
	Classes	 Monday weekly.
Miners' Welfare Hall, Ouston Lane, Pelton.	Health Visitor	 Alternate Wednesday
	Clinics	 mornings
	Child Welfare	 Alternate Wednesdays.
Old Relief Office, Front Street, Sacrison	Child Welfare	 Every Wednesday a.m.
		 Alternate Wednesdays p.m.
Methodist Chapel, Grange Villa.	Child Welfare	 Alternate Thursday
		Mornings.

(c) *Welfare Foods*

DISTRIBUTION OF WELFARE FOODS

National Dried Milk, orange juice, cod liver oil and vitamin tablets are distributed from centres in the area as shown.

<i>Address of Centre</i>				<i>Sessions</i>
Hexham Villa, Birtley.	Tel. 52	.....	.....	Fridays, 10a.m. to 12 noon and 2 p.m. to 4 p.m.
Old Relief Office, Front Street, Sacriston	.....	.....	.....	Wednesdays, 10 a.m. to 12 noon and 1-30 to 3-30 p.m. a.m. only 1st week. All day 2nd. week.
Ouston Lane, Pelton.	.....	.....	.....	Every Wednesday: 10 a.m. to 12 noon and Alternate Wednesdays 2 p.m. to 4 p.m.
Post Office, Great Lumley	.....	.....	.....	Every day, 9 a.m. to 5 p.m.
Mobile Clinic, Kibblesworth.	.....	.....	.....	Alternate Wednesday: 10 a.m. to 12 noon
Chester-le-Street, Mains House, West Lane.	.....	.....	.....	Tuesday, all day. Wednesday, a.m.
Church Hall, Fatfield.	.....	.....	.....	Alternate Tuesdays, 2 p.m. to 4 p.m.

National Dried Milk Tins 2682	Cod Liver Oil Bottles 767	Vitamin Tablets Packets 376	Orange Juice Bottles 5534
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(d) *Domicilliary Midwifery and Home Nursing Services*

The following statements give details of the work done and the staff employed :—

HOME NURSING

STAFF	NEW CASES					VISITS PAID											
	Medical	Surgical	Infectious Diseases	Tuberculosis	Maternal Complications	Medical	Surgical	Infectious Diseases	Tuberculosis	Maternal Complications	Others	†Patients over 65 year	†Visits to Patients over 65 years	†Patients under 5five	†Visits to patients under 5 years	†Visits for injections only (all ages)	
3 District Midwives	430	148	—	18	1	10,853	3,471	—	1,098	8	98	411	9,928	15	122	6,925	
5 District Nurses																	

†included in total visits †included in total new cases

MIDWIFERY	Midwifery Cases	Maternity Cases	Hospital Discharges
	182	11	235

(e) *Maternity and Child Welfare*

		ANTE-NATAL		CHILDREN	
		No. on Books.	Attend's	No. on Books	Attend's
Centres					
Birtley	.....	4	6	554	2441
Sacrison	.....	—	—	456	2076
West Pelton	.....	17	56	518	2824
Kibblesworth	.....	—	—	37	126
Grange Villa	.....	—	—	92	426
Totals		21	62	1657	7893

		BIRTH CONTROL		POST-NATAL	
Centre	.....	No. on books	Attendances	No. on books	Attendances
Birtley	.....	54	107	1	1

(f) *Ambulance Service* including Chester-le-Street U.D.C.

The Chester-le-Street Rural District Council is served principally by the ambulance depot situated at Osborne Road, Chester-le-Street.

This Depot has an establishment of 1 Depot Superintendent, 4 Senior Drivers, 13 drivers, with 7 vehicles—five of them are dual purpose.

There is a 24-hour coverage from this Depot., but in case of emergency, a service is supplied from other Depots. Overall control is exercised by Central Control at Durham, whereby a system of direct telephone lines and radio, close supervision is kept of vehicles operating in all parts of the county, thus enabling any area to be reinforced as necessary.

All requests for ambulance transport in the area should be made to Central Control at Durham where a 24-hour service is maintained. Telephone Durham 4488.

The following table shows the work undertaken by the Chester-le-Street depot during the year, but it should be noted that these figures will include patients from areas other than the Rural District and that the conveyance of patients residing in the rural district is not restricted to the Chester-le-Street Depot, but may be undertaken by vehicles from other depots passing through the area.

No. of Journeys	Patients carried		Total	Mileage
	Stretcher	Sitting		
5,805	4,515	18,332	22,847	140,113

(g) Domestic Help

Domestic Helps are provided by the County Council where necessary in cases of sickness, childbirth, infirmity or other household emergencies.

Domestic Help Cases During 1968.

Cases attended 1.1.68	473
New cases during year	195
Cases terminated	172
Cases attended on 31.12.68	450
Number of Home Helps employed 31.12.68	243

Number of cases provided during year :

(a) Maternity (including expectant mothers)	1
(b) Tuberculosis..... ..	4
(c) Chronic sick (including aged and infirm)	620
(d) Others	20

(h) Prevention of Illness Care and Aftercare

Under this section of the National Health Service Act the Durham County Council supply nursing requisites on loan to those needing them. A fee is charged, the assessment of which depends on income and the type of article borrowed.

(i) School Health Service

The School Health Service is run by the Durham County Council from the headquarters in Durham City.

The clinic for the bulk of Chester-le-Street Rural District school children is in Birtley. The clinic is open daily and is attended on Monday and Wednesday by a School Medical Officer.

Routine medical inspections of children are carried out in the schools by a School Medical Officer.

(3) Hospital Services

The population of the district is in the main dealt with by the Durham Group of Hospitals.

None of the hospitals is sited in the Rural District but the General Hospital and Highfield Hospital are in the adjoining Urban District of Chester-le-Street.

Infectious Diseases from the district are now admitted to the Queen Elizabeth Hospital, Gateshead. Telephone Low Fell 875284.

(4) Executive Council Service

The Executive council for the county of Durham is responsible for the administration and general management of the Family Practitioner Services in the District.

The Practitioner Services include the Family Doctor Service, the Dental Service, the Eye Service and the Pharmaceutical Service, all of which provide the patient with the individual medical attention that he needs.

(5) Health Education

Health Education arrangements have been carried out as in previous years with help from the County Health Education Section.

SERVICES UNDER THE NATIONAL ASSISTANCE ACT

1948

Meals On Wheels

The service run by the Council continued to expand during the year.

Three vans operated in the district, with three paid drivers, assisted by voluntary helpers.

The meals were obtained from factory canteens; school meals kitchens, and the Council's kitchen. Whilst steps continued towards the eventual provision of the meals from the Council's own kitchens, we must be grateful meanwhile to the firms helping to keep the service going by supplying meals from their canteen kitchens, and to the County Council for the use of the school kitchens.

The County Council contribute towards the cost of this service, as they do to the Luncheon Clubs for the Elderly.

During the year 19,854 meals were delivered to the homes of aged persons who were in need of this help, as compared with 14,797 in 1967.

Luncheon Clubs

There were twelve luncheon clubs running at the commencement of the year. One additional club at West Pelton was started in February, which made the number thirteen, and this number continued to the end of the year.

As the Clubs increase, so does the difficulty in providing meals. Industrial canteens and the County Council school meals services continued to help during the year.

The total number of meals served during 1968 was 28,198 as compared with 23,243 in 1967.

Holidays for the Aged

The Council first provided holidays for the aged persons of the district in 1967. This service was continued in 1968.

There were 582 applications for the 100 holidays to be provided. The persons were selected having regard to age and length of time since their last holiday. The selection naturally caused difficulties, but there was no doubt that in the main those selected were deserving cases.

The holiday consisted of one week in Southport. Transport was arranged to and from Southport, as was hotel accommodation.

Voluntary helpers attended with the old people, and apart from generally assisting, they arranged outings during the week.

From the many letters of thanks the holidays were obviously appreciated, and no doubt those who went gained much benefit.

Voluntary Help

Voluntary help is utilised in some way or other on all of the above services provided by the Council. As these services grow, so also does the need for voluntary help.

Up to the end of the year there had been little difficulty in maintaining the help needed, but as the numbers of married women with paid employment increases, so does the number available for voluntary work decrease.

One feels that these helpers do gain some personal satisfaction in helping to provide a service for old people, otherwise they would not continue to come forward to assist.

Thanks must be extended once again to all of those voluntary helpers who give their time to help with the various services.

Chiropody for the Aged

The schemes in the various parts of the district have continued throughout the year with some changes in place of work, etc.

These schemes are run by voluntary organisations, with the aid of a grant from Durham County Council and in many cases using premises provided by the District Council.

No charge is now made to the old person having treatment.

SECTION C.

SANITARY CIRCUMSTANCES OF THE AREA.

(1) Water

Water is supplied by three water undertakings, Newcastle & Gateshead Water Company; Sunderland & South Shields Water Company, and Durham County Water Board.

Regular sampling of the supplies by the Public Health Inspectors gave the following bacteriological results :—

Durham County Water Board	10 Satisfactory
Sample other undertakings	8 satisfactory

(2) Water Consumption

Domestic consumption in the Northern Division of the Durham County Water Board during 1968 was 30 gals. per head per day, and trade consumption averaged out at 15 gals. per head per day. This total of 45 gals. required for each resident indicates the need for the continued search for new supplies.

(3) Public Cleansing

The service continued satisfactorily during 1968

(4) Inspection of the Area by Public Health Inspectors

Again nuisances under the Public Health Act have been largely abated by persuasion, it being necessary to serve four formal notices 50 informal notices were served.

(5) Petroleum Consolidated Act, 1928.

The Public Health Inspectors are the responsible figures in connection with this Act

Fifty-three licences were issued during the year for the storage of 157,080 gallons of petrol. Two licences were issued for the storage of 1,470 tons 28lbs. of calcium carbide. One licence has been issued for 50 gallons of naphtha.

(6) Miscellaneous Licences Issued

5 Animal Boarding Establishments Act, 1963.
16 Scrap Metal Dealers Act, 1964.

(7) Industrial Noise Abatement

The three following cases were dealt with during the year :—

- (1) Complaints were received about noise being a nuisance to people in a residential area but only at night, thereby interfering with their normal sleeping hours.

The Factory concerned was approximately a quarter mile distant from the housing estate affected, and the noise was not apparent during normal working hours on account of being 'masked' by traffic, and other daytime activities.

In the early hours of the morning (between 1-30 & 2-30 a.m.), the area was visited when a low intermittent droning sound was apparent, and although not very loud it was of such a nature as to be considered a nuisance by the Health Department.

The Factory was visited, where it was found that the noise was due to the velocity of air through an intake from the exterior to a compressor sited in a brick built compressor house.

After consultation with the management at the factory, the exterior 'air intake' was disconnected and the air to the compressor taken from inside the compressor house which resulted in the noise nuisance to the housing estate being abated.

- (2) Complaints were received from a residential area about noise interfering with their normal sleeping hours and coming from a new extension to a factory on an industrial estate.

On making enquiries the noise was found to be due to several large air extraction fans in the roof of the new factory extension.

Silencers were fitted to the 'outlet' side of these extraction fans thereby eliminating the noise nuisance.

- (3) Industrial premises adjoining two streets of houses were causing a noise nuisance from a steel honing machine. This was a loud screeching noise, and although intermittent was a serious health nuisance.

The factory concerned were in the habit of leaving two large sliding doors constantly open, thereby allowing the noise from the machine shop to 'escape' to the nearby houses.

After consultation between the factory management and the Health Department, the ventilation system in the machine shop was improved, and the sliding doors kept shut, resulting in the noise nuisance being almost completely eliminated.

Summary of Works carried out

Table 5.

Defective roof	.....	20
„ brickwork	.....	2
„ yard Surface	.....	9
„ fireplace	.....	5
„ floors	.....	4
„ walls	.....	5
„ doors	.....	6
„ ceiling plaster	.....	9
„ window frames	.....	3
„ eaves, gutters, etc.	.....	5
„ drains	.....	2
„ W.C.	.....	8
„ waste water pipes	.....	4
„ chimney stacks	.....	5
„ pointing	.....	4
„ wall plaster	.....	6
„ woodwork	.....	4
„ window cords	.....	3
Dampness	.....	30

Table 6.

(8) Rats and Mice (Prevention and Damage by Pests Act 1949)

	Non- Agricultural	Type of Property
I.		
Number of Properties in District	16,930	176
II.		
(a) Total number of properties (including nearby premises) inspected following notification	580	24
(b) Number Infested by		
(i) Rats	410	24
(ii) Mice	170	—
III.		
(a) Total number of properties inspected for rat and/or mice for reasons other than notification	204	44
(b) Number infested by		
(i) Rats	161	44
(ii) Mice	43	—

The general condition of the area was much the same as in previous years.

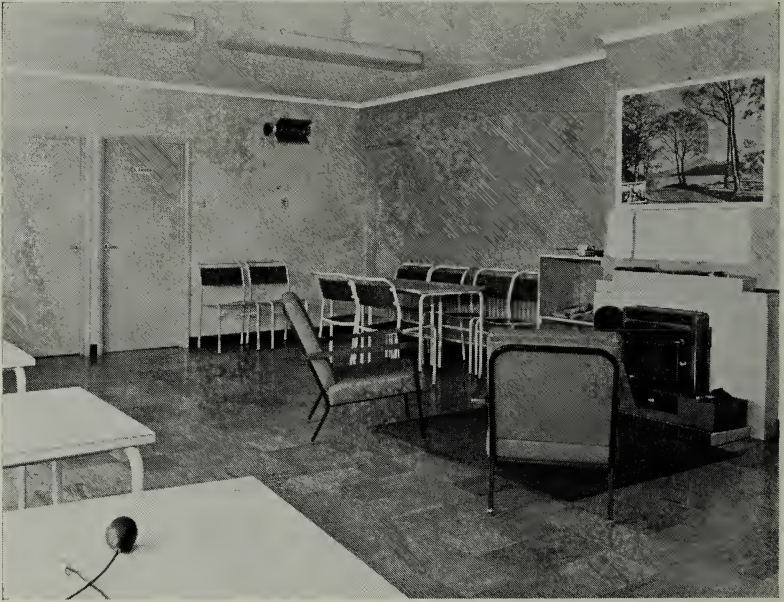
Leaflets illustrating methods for householders, and detailing the provisions of the Act, together with the Threshing and Dismantling of Ricks Regulations 1950, are available from the Health Department.



Aged Persons Bungalows.

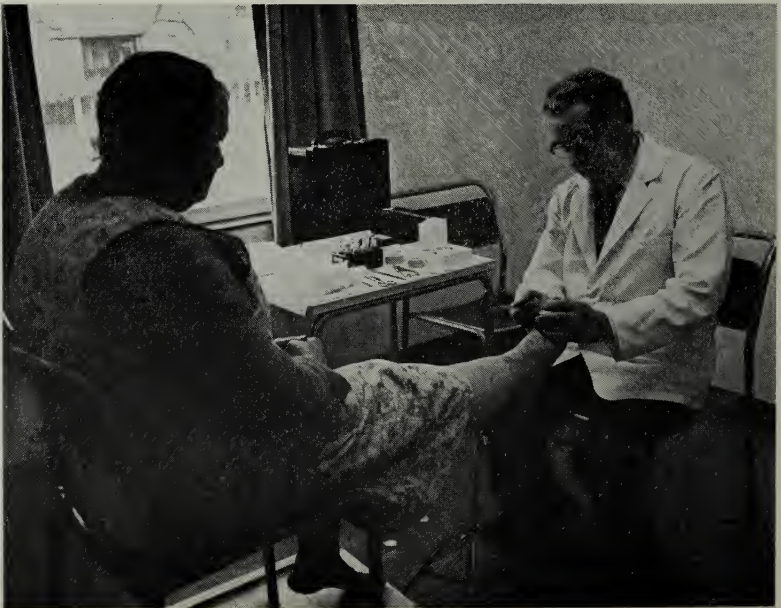


Helping

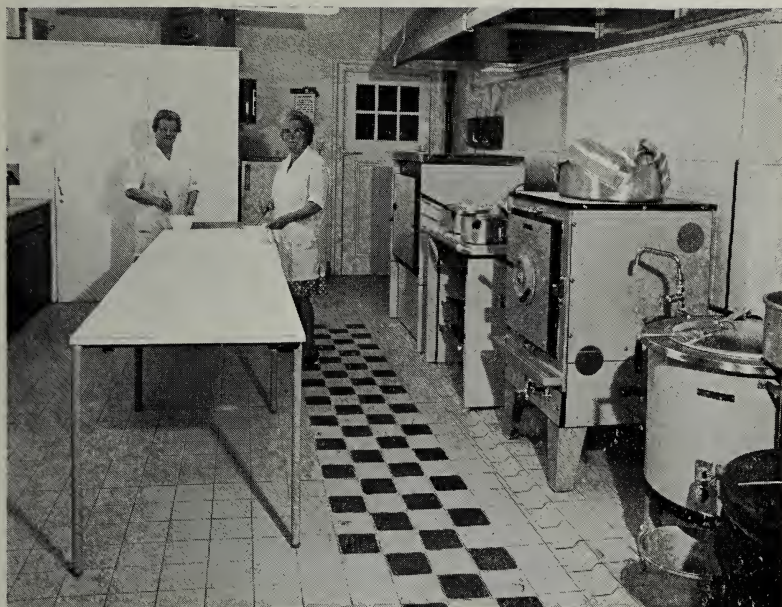


Communal Room for Aged Persons.

Chiropractic in Communal Room.



he Aged



Kitchen producing Meals for Aged.

Meals on Wheels Van.





Luncheon Club.

A group on holiday in Southport



(9) Swimming Baths and Pools

There are two Public Swimming Baths in the District—Lambton Baths and Birtley—the latter being uncovered.

Both use mains water and have filtration and chlorination plants.

Seventeen samples were taken at the Baths: 15 satisfactory.

In the case of unsatisfactory samples, full investigation was carried out in order to find the cause.

(10) Disinfestation, Eradication of Bed Bugs, Flies, Red Mite, etc.

111 treatments were carried out during the year.

(11) Atmospheric Pollution

During the year action was taken by the Department to prevent pollution of the atmosphere, particularly with the calculation of factory chimney heights and in the following specific instances :—

- (1) At Lambton Coke Works a cooling tower had collapsed and was replaced with a temporary erection which proved to be unsatisfactory by allowing fumes to escape to the atmosphere.

After consultation with the N.C.B. the temporary erection was replaced by an approved structure.

- (2) Shunting steam locomotives at Lambton Coke Works were causing nuisance from black smoke and smuts to a residential area at Burnmoor.

Negotiations with the N.C.B. resulted in the coal fired steam locomotives being replaced by diesel engines and the nuisance abated.

- (3) The atmosphere was being polluted by offensive fumes from the British Oxygen Company, Tall Oil Plant, Vigo Lane, Birtley. A Statutory Abatement Notice, under the Public Health Act, 1936 was served upon the Company with the result that the 'plant' was shut down and overhauled.

Several defects were found and when remedied a marked improvement was obtained.

- (4) Acid smuts from a chimney at the Royal Ordnance Factory, Birtley were causing nuisance to residents and property in the vicinity.

Advice was given to the factory management and plans drawn to build a new insulated chimney.

- (5) A dust nuisance was being caused at a housing estate from the Armstrong Cork Factory, Team Valley.

After consultation with the factory management, dust and grit arresting apparatus was installed, resulting in an abatement of the dust nuisance.

FACTORIES ACT 1961

(12) Part I of the Act

1. Inspections for purposes of provisions as to health (including inspections made by Public Health Inspectors).

Premises	Number on Register	Number of Inspec- tions	Written notice	Occu- piers prose- cuted
(1) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	11	118	—	—
(2) Factories not included in (1) in which Section 7 is enforced by the Authority	81	387	3	--
(3) Other premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	37	195	—	—
TOTAL	129	700	3	—

(13) Offices, Shops and Railway Premises Act, 1963

The Offices, Shops and Railway Premises Act 1963, contains provisions, some of which came into force in 1964, and others became operative later.

The table below indicates the premises and personnel affected and the extent to which it has been possible for the Public Health Inspectors, who have been designated as the Officers under the Act to carry out inspections during 1968.

TABLE A—

Offices	.....	46
Wholesale Shops, etc.	.....	11
Retail Shops	.....	130
Catering Establishments	.....	40
Fuel Storage Depots	.....	1
Total		228

TABLE B—

Number of visits of Inspectors to registered premises		427
---	-------	-----

TABLE C—(Persons Employed)—

Offices	.....	1593
Retail Shops	.....	547
Wholesale Shops and Warehouses	.....	198
Catering Establishments open to the Public		229
Fuel Storage Depots	.....	2
Canteens	.....	33
Total		2602
Total Males		1369
Total Females		1233

ANALYSIS OF CONTRAVENTIONS

TABLE D—

Section	Number of contraventions found					
4	Cleanliness	.....	.....	.....	.....	10
5	Overcrowding	.....	.....	.....	.....	—
6	Temperature	.....	.....	.....	.....	50
7	Ventilation	.....	.....	.....	.....	30
8	Lighting	.....	.....	.....	.....	35
9	Sanitary Convenience	.....	.....	.....	.....	37
10	Washing Facilities	.....	.....	.....	.....	28
11	Supply of drinking water	.....	.....	.....	.....	1
12	Clothing accommodation	.....	.....	.....	.....	3
13	Sitting facilities	.....	.....	.....	.....	—
14	Seats (Sedentary workers)	.....	.....	.....	.....	—
15	Eating facilities	.....	.....	.....	.....	—
16	Floors, passages and stairs	.....	.....	.....	.....	37
17	Fencing exposed parts of machinery	.....	.....	.....	.....	6
18	Protection of young persons from dangerous machinery	.....	.....	.....	.....	—
19	Training of young persons working at dangerous machinery	.....	.....	.....	.....	—
23	Prohibition of heavy work	.....	.....	.....	.....	—
24	First Aid General Provisions	.....	.....	.....	.....	16
	Other matters	.....	.....	.....	.....	54

TABLE E—

Reported Accidents

Workplace	No. rep'ted	Total No. Inv'ed.	Action Prose- ecution	Recommended Formal Warning	Advice	No. Action
Office	2	—	—	—	—	2
Retail Shops	2	—	—	—	—	2
Wholesale Shops & W/houses	11	4	—	—	4	7
Catering Establishments open to the public	3	1	—	—	1	2
Canteens	—	—	—	—	—	—
Fuel Storage	—	—	—	—	—	—
TOTALS	18	5	—	—	5	13

TABLE F—

ANALYSIS OF REPORTED ACCIDENTS

			Office	Retail Shops	W'sale W'house	Cat'ing Estab. Open to Public	Canteen	Fuel Storage
Machinery	.....	.....	—	—	—	—	—	—
Transport	.....	.....	—	—	2	—	—	—
Falls of persons	.....	.....	1	—	1	—	—	—
Stepping on or striking against object or person	.....	.....	—	1	1	—	—	—
Handling Goods	.....	.....	—	1	7	3	—	—
Use of Hand Tools	.....	.....	—	—	—	—	—	—
Struck by Falling Object	.....	.....	—	—	—	—	—	—
Not otherwise specified	.....	.....	1	—	—	—	—	—

SECTION D.

HOUSING

Housing statistics for the year are given below; firstly showing action taken during the year with regard to existing properties, secondly figures for completion of new houses, and lastly allocation of houses.

Housing Statistics

III. Action under Statutory Powers during the year :—

A—Proceedings under Public Health Acts :—

(1)	Number of dwelling houses in respect of which notices were served requiring defects to be remedied	.....	.....	.....	.....	.....	50
(2)(a)	Number of dwelling houses in which defects were remedied after serving formal notices	.....					4
(b)	By Local Authority in default of owners	.....					—

B—Proceedings under section 16 and 17 of the Housing Act, 1957 :—

(1)	Number of dwelling houses in respect of which Demolition Orders made	.....	.....	.....	.....	57
(2)	Number of dwelling houses demolished in respect of pursuance of Demolition Orders	.....				109
(3)	Number of dwelling houses in respect of which a Closing Order was made	.....	.....	.....		16

New Houses and Re-lets

Building of Council Houses commenced in 1947 after the War and the following is the progress :

Table 7

	1947—59										1960	1961	1962	1963	1964	1965	1966	1967	1968	Total
New Permanent Houses (including Flats)											38	102	266	146	55	128	352	202	43	3614
Temporary Houses*											0	0	0	0	0	0	0	0	0	101
Re-lets											112	70	195	205	205	200	256	235	175	2733

*72 of the Temporary Houses only remained in use at the end of the year

Table 8

Allocation of Houses during the Year List

A.	Direct Overcrowding	.....	19
AI.	Lacking Amenities	.....	12
B.	Length of time married and living in	.....	37
C.	Dangerous property	.....	—
	M.O.H. recommendation	.....	8
	Homeless on Eviction	.....	14
	Condemned Property	.....	58
	Aged Persons' List	.....	52
	Single Persons' List	.....	6
	Council resolutions	.....	6
	Key Workers	.....	4
	Transfers (to new houses)	.....	2
			218

In addition to the above there were 56 transfers and 52 exchanges granted, involving 109 families, largely relieving over-crowding, on health grounds, economic reasons, and to place people nearer to work.

The figures showing the allocation of houses during the year have been supplied by the Housing Manager.

New Houses in the District

During the year there were 43 new Council Houses competed in the district.

Private houses completed in the district numbered 329.

Rehousing from Condemned Property

There were 58 families rehoused from condemned property during 1968. In 1967 the number was 107.

The figures since 1954, are given below, showing a total of 1,295 rehoused by the Council from condemned property.

1954	.....	.....	.....	.....	.....	12
1955	.....	.....	.....	.....	.....	36
1956	.....	.....	.....	.....	.....	57
1957	.....	.....	.....	.....	.....	228
1958	.....	.....	.....	.....	.....	95
1959	.....	.....	.....	.....	.....	5
1960	.....	.....	.....	.....	.....	3
1961	.....	.....	.....	.....	.....	96
1962	.....	.....	.....	.....	.....	195
1963	.....	.....	.....	.....	.....	120
1964	.....	.....	.....	.....	.....	69
1965	.....	.....	.....	.....	.....	50
1966	.....	.....	.....	.....	.....	164
1967	.....	.....	.....	.....	.....	107
1968	.....	.....	.....	.....	.....	58
Total for 15 years						<u>1,295</u>

Condemnation of Unfit Houses

The total number of houses condemned during the year is shown in the table below

Year	Ind. Unfit (Dem. Order)	(Cl. Order)	Total
1954	15	2	17
1955	35	15	50
1956	111	9	120
1957	206	5	211
1958	27	3	30
1959	102	4	106
1960	78	8	86
1961	206	4	210
1962	59	4	63
1963	58	8	66
1964	64	2	66
1965	111	3	114
1966	136	10	146
1967	55	2	57
1968	57	16	73
	<u>1,320</u>	<u>95</u>	<u>1,415</u>

Clearance Areas :
(1959, 1962, 1963 & 1967)

183	
<u>1,503</u>	<u>1,598</u>

Improvements Grant

Grants dealt with by the Public Health Inspectors are as follows :—

	1956-59	1960	1961	1962	1963	1964	1965	1966	1967	1968	Total
Discretionary Grants	64	7	30	70	64	79	94	104	119	25	656
Standard Grants	70	113	96	98	87	110	128	84	102	23	911
	<u>134</u>	<u>120</u>	<u>126</u>	<u>168</u>	<u>151</u>	<u>189</u>	<u>222</u>	<u>188</u>	<u>221</u>	<u>48</u>	<u>1567</u>

The system of dealing with Improvement Grants changed during the year. Since the introduction of Grants the Council's Public Health Inspectors have dealt with them from receiving the application to the completion. As from April, 1968, these duties were taken over by the Surveyor's Department.

It is of interest to note that during the time the Public Health Inspectors have carried out these duties over 1,500 houses have been improved by grants.

Medical Priority Rehousing

Cases investigated claiming medical priority for rehousing numbered 168.

The results of the investigations were as follows :—

	Grounds for claiming priority		
	T.B.	Other	Diseases
Number recommended for Re-housing to the Housing Committee	—	79	

Caravans

Number of licensed residential caravan sites : Five.

SECTION E.

INSPECTION AND SUPERVISION OF FOOD

Milk

On the register at 31st December, 1968 :—

(a) Milk and Dairy Regulations, 1949

Dairies (not dairy farms)				2
---------------------------	-------	-------	-------	---

The Licensing Authority for designated milk is now the County Council. Samples are taken by the County Inspectors for testing to see if the milk conforms to the necessary standard.

Ice Cream

Premises registered for Ice Cream and Storage : 174.

Samples of ice cream were sent for bacteriological examination to the Public Health Laboratory, as in previous years.

Food Premises

There are 292 food premises in the district, classified as under :

Number of Other Food Premises in the Area

Restaurants and Canteens	.....	.....	.....	11
Cafes and Snack Bars	.....	.....	.....	3

Shops

Butchers	.....	.....	.....	.....	.....	.....	17
General Dealers/Grocers	.....	.....	.....	.....	.....	.....	148
Greengrocers	.....	.....	.....	.....	.....	.....	6
Confectionery	.....	.....	.....	.....	.....	.....	26
Wet Fish	.....	.....	.....	.....	.....	.....	3
Fried Fish	.....	.....	.....	.....	.....	.....	25
Licensed Premises (Hotels and Bars, including Workmen's Clubs)	.....	.....	.....	.....	.....	.....	67
							292

Premises manufacturing Sausages, Potted Meat and Preserved Foods number : 63.

Food Hygiene

Further courses were held during the year in co-operation with Durham Technical College, Framwellgate Moor, for food handlers.

Following a Ministry Circular, further supplies of notices asking customers to keep their dogs out of foodshops were obtained and supplied to premises throughout the district.

Meat Inspection

The only remaining slaughterhouse in the district was closed at the beginning of the year, so that all meat sold in the area is now brought in from slaughterhouses outside the district.

Whilst it is desirable to have up to date hygienic slaughterhouses, one wonders how much the benefits of having meat from these slaughterhouses are reduced by the handling and transportation now necessary.

The following foods were condemned and dealt with in accordance with the instructions of the Ministry of Food :—

			lb.s	oz.
Tinned Tomatoes	....	....	419	0
Tinned Meat	....	....	3054	8
Tinned Vegetables	....	....	1682	0
Tinned Fruit	....	....	4089	0
Tinned Milk	....	....	217	6
Tinned Soup	....	....	24	6
Tinned Fish	....	....	65	8
Bacon	....	....	13	8
Bulgarian Salata	....	....	435	8
Bulgarian Paprikas	....	....	315	0
Confectionery	....	....	5	12
			10,321	8

Total : 4 tons 12 cwt. 1 st. 3 lb. 8 oz.

SECTION F.

PREVALENCE OF AND CONTROL OVER INFECTIOUS AND OTHER DISEASES

The Public Health (Infectious Diseases) Regulations 1968 came into force on the 1st October 1968. Certain diseases are no longer notifiable—acute primary pneumonia, acute influenzal pneumonia, acute rheumatism, and puerperal pyrexia, whilst tetanus, yellow fever and leptospirosis became notifiable.

During the year 1968 there were 415 notifications of which 375 were measles.

Scarlet Fever

There were 9 notifications as compared with 10 in 1967

Diphtheria

No notifications—13 years since last case notified in the district .

Poliomyelitis

No cases notified.

Measles

There were 375 cases notified during 1968. This was quite a big increase as compared with 1967, but will probably be the last time such figures will be recorded, because of the commencement during the year of vaccination against this disease.

Whooping Cough

There were 5 cases notified.

Sonne Dysentery

Only 6 cases were notified during the year—they were in family groups.

During the year outbreaks of sickness and diarrhoea were investigated in an old persons' hostel and a Junior school. In neither case was any organisms isolated.

IMMUNISATION & VACCINATION DURING 1968

Age Group	Diphtheria	Polio	Measles	Whooping Cough	Tetanus
0-4	570	642	634	557	570
Over 4	38	54		26	72
Boosters	786	422		604	797

Smallpox Vaccinations during 1968.

Primary 372

Revaccinations 2

Tuberculosis (Pulmonary)

There were three deaths during the year and twelve new cases were notified.

Notifications and Deaths due to Pulmonary Tuberculosis.

	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
No. of Cases	22	26	10	25	13	10	10	17	9	12
Deaths	5	3	3	2	3	4	2	3	3	3

CHESTER-LE-STREET RURAL DISTRICT

B.C.G. Vaccination

B.C.G.

Given below are the figures for the last scheme carried out in the district.

Schoolchildren

This has now been carried out in Birtley since 1955—the fourteenth year. In the rest of the district 1968 was the thirteenth year.

School	Number Tuberculin Tested	Number Positive	Per cent Positive	Number Vaccinated
Birtley R.C. Secondary	17	1	5.8	16
Birtley Central Secondary	28	1	3.5	21
Birtley East Secondary	61	8	13.1	53
Sacriston Secondary	48	9	18.7	36
Fencehouses Secondary	63	14	22.2	45
Pelton Roseberry Secondary	66	6	9.1	53
Pelton Secondary	50	8	16.0	34
Birtley South Sec.	114	20	17.5	84
TOTALS	447	67	15.0	342

Table 10

Age at Death	1968	%
Under 1 year	13	2.6
1—4 years	—	—
5—14 years	1	0.2
15—24 years	5	1.0
25—34 years	4	0.8
35—44 years	16	3.3
45—54 years	46	9.4
55—64 years	89	18.0
65—74 years	123	25.1
75 and upwards	194	39.6
TOTAL		100.0

Table 11.

STATISTICS OF THE PARISHES FORMING THE CHESTER-LE-STREET RURAL DISTRICT

	Pop. 1966 sample census	Acreage (acres)	Total No. of Inhab. houses	No. of Council Houses	Deaths
Biddick South	20	348	10	—	—
Birtley	11430	1429	4167	2256	142
Bournmoor	2480	513	909	302	24
Edmondsley	1040	2099	395	230	13
Harraton	3880	2669	1427	366	21
Lambton	140	697	135	—	4
Lamesley	3940	5679	1362	669	48
Lumley Great	3020	1642	1001	528	22
Lumley Little	1130	875	374	10	12
Ouston	2850	641	1035	269	23
Pelton	6020	926	2103	984	81
Plawsworth	1780	1248	506	286	9
Sacriston	4410	910	1561	674	67
Urpeth	1520	1825	560	187	21
Waldridge	410	725	172	—	4
	44070	22226	15717	6761	491

Table 12.

Infectious disease notification since 1959

Disease	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
Ineffective Jaundice	—	—	—	—	—	—	—	—	—	3
Food Poisoning	—	—	2	3	2	43	2	1	—	1
Smallpox	18	9	5	3	10	51	39	10	10	—
Scarlet Fever	—	—	—	—	—	—	—	—	—	9
Diphtheria	—	2	1	—	—	—	2	—	—	—
Enteric Fever	—	4	1	1	—	—	3	—	3	—
Meningococcal Infection	1	—	—	—	—	1	—	—	—	—
Polomyelitis	34	35	32	15	36	12	4	—	1	2
Pneumonia	3	2	1	—	2	3	—	1	—	1
Puerperal Pyrexia	1	—	—	1	3	2	—	—	—	—
Erysipelas	—	—	—	—	—	—	—	—	—	—
Ophthalmia Neonatorum	6	—	2	6	38	8	10	7	8	6
Dysentery	22	26	10	25	13	10	16	16	9	12
Tuberculosis-pulmonary	2	5	2	1	3	2	2	1	—	—
Non-pulmonary	566	31	681	27	478	127	709	245	222	375
Measles	53	64	31	13	16	18	8	20	5	5
Whooping Cough	—	—	—	—	—	—	—	—	—	—
Acute Encephalitis	6	3	5	5	11	7	1	1	—	—
† Diagnosis not Confirmed	—	—	—	—	—	—	—	—	—	—

† Due to Quarterly Infectious Return

NOTIFIABLE DISEASES	AT AGES—YEARS							TOWNSHIPS												Total No. Notified	Removed to Hospital																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	Under 1	AT AGES—YEARS						January	February	March	April	May	June	July	August	September	October	November	December			Biddick South	Birtley	Bourne-moor	Edmondsley	Harraton	Lambton	Lamesley	Lumley Great	Lumley Little	Ouston	Pelton	Plawsworth	Sacrison	Urpeeth	Wairbridge																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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Table 14

CANCER DEATHS 1968 (AGE GROUPS AND SITES)

Age Group	Buccal Cavity (A44)		Stomach (A46)		Intestines except Rectum (A47)		Rectum (A48)		Trachea Lungs E.T.L. (A50)		Breast (A51)	Uterus (A52 & 53)	Prostate (A54)	All Others		Leukaemia	
	M	F	M	F	M	F	M	F	M	F	F	F	M	M	F	M	F
25-34																	
35-44									1					2			
45-54			1	2	1	1		1	2		1	2			1		
55-64			2	1	4				11		2		3	3			
65-74						2			3	1	2	1		1	6	1	
75-& up.	1			4	3	4		1	4	2	3		2	5		1	1
Total	1	—	3	7	8	7	—	2	21	3	8	3	—	8	15	3	1

N.B.—Group Nos. refer to intermediate list of 150 causes International Classification.

Males 44

Females 46

Table 15

The following table gives the vital statistics of the district for 1968 and previous years :

Year	Estimated Resident population Mid-year	Births		Deaths		Infant Mortality Rate†	Maternal Mortality Rate‡
		No.	crude rate*	No.	crude rate*		
1959	41,550	666	16.0	444	10.7	38	0.00
1960	41,890	676	16.1	448	10.7	22	0.00
1961	41,240	687	16.6	453	10.9	23	0.00
1962	41,980	763	18.1	450	10.7	21	0.00
1963	43,090	751	17.1	502	11.7	23	0.00
1964	43,590	798	18.3	437	10.0	28	0.00
1965	44,310	779	17.6	456	10.3	21	0.00
1966	45,090	820	17.1	497	11.0	13	0.00
1967	45,680	783	18.2	490	10.7	14	0.00
1968	46,060	830	18.0	491	10.6	16	0.00

* Per 1,000 population (total)

† Per 1,000 live births (registered)

‡ Per 1,000 (live and still) births, (registered).

Table showing changes in certain Vital Statistics over a period

Table 16

	1896	1921	1968
Population	58,000	71,580	46,060
Births	2,157	2,298	830
Crude Birth Rate	38.09	31.82	18.0
Deaths	1,083	851	491
Crude Death Rate	19.00	13.03	10.6
Infant Deaths	394	270	13
Infant Mortality Rate	128	117	15.6
Deaths from the seven principal			
Zymotic Diseases	212	126	1
Scarlet Fever Cases	553	378	9
Typhoid Fever Cases	108	6	—
Diphtheria Cases	57	130	—

Table 17

New cases and mortality from Tuberculosis during 1968 :—

Age Periods	New Cases				Deaths			
	pulmonary		Non-pulmonary		pulmonary		Non-pulmonary	
	M	F	M	F	M	F	M	F
Under 1	—	—	—	—	—	—	—	—
1—4	—	—	—	—	—	—	—	—
5—14	—	—	—	—	—	—	—	—
15—24	—	1	—	—	—	—	—	—
25—34	—	1	—	—	—	—	—	—
35—44	4	—	—	—	—	—	—	—
45—54	2	—	—	—	—	—	—	—
55—64	3	—	—	—	3	—	—	—
65—74	—	—	—	—	—	—	1	—
75 and over	1	—	—	—	—	—	—	—
	10	2	—	—	3	—	1	—

Table 18

Notifications and deaths occurring in the Rural District during the past five years :

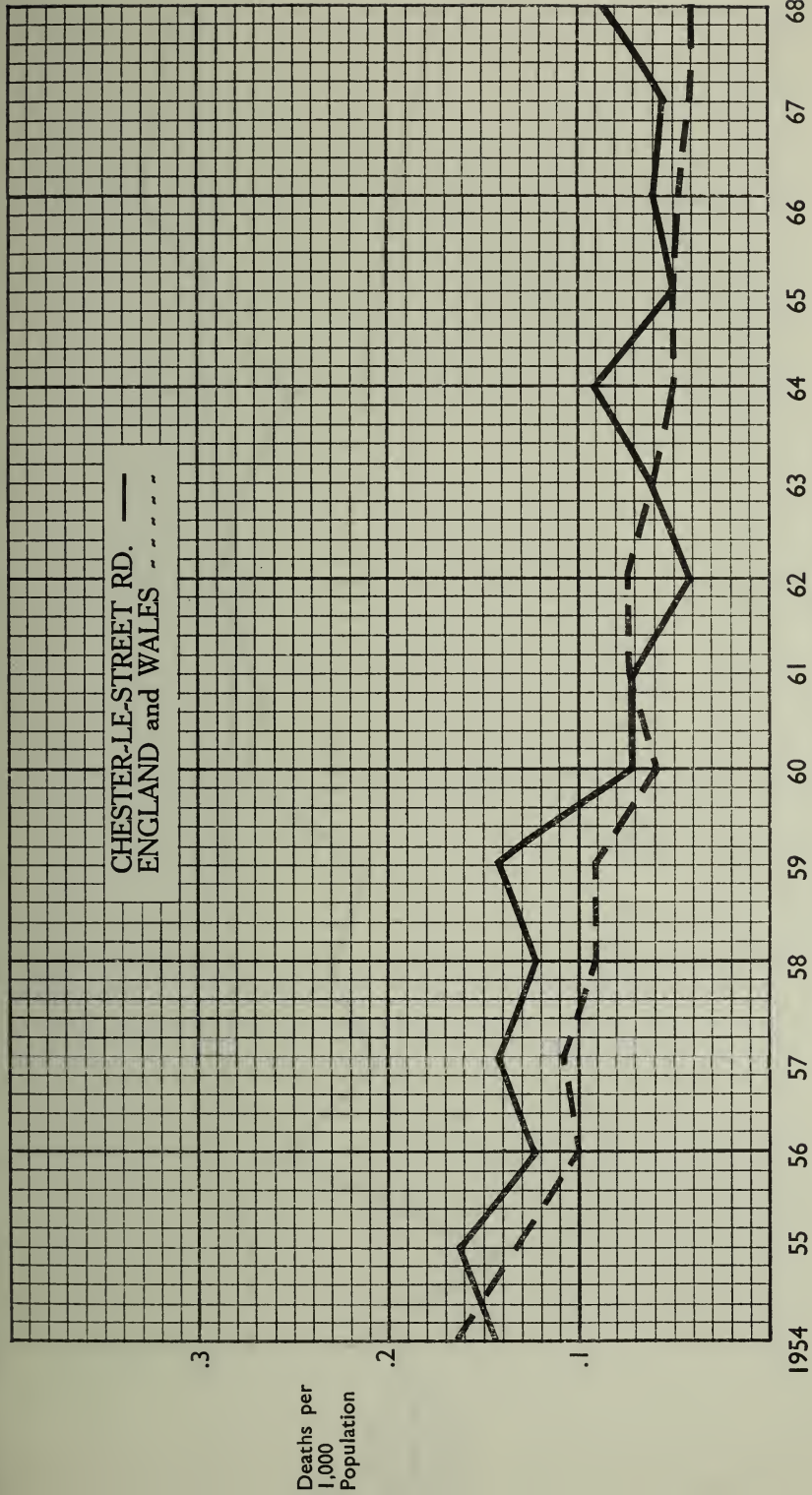
	Pulmonary Notifications	Tuberculosis Deaths	Non-Pulmonary Notifications	Deaths
1964	10	4	2	—
1965	8	2	2	—
1966	17	3	—	—
1967	9	3	—	—
1968	12	3	—	1

The number of cases on the Tuberculosis Register were as follows :—

	Pulmonary M.	Pulmonary F.	Non-Pulmonary M.	Non-Pulmonary F.	Total
December 31st, 1964	118	83	16	23	240
December 31st, 1965	119	83	17	25	244
December 31st, 1966	126	86	18	24	254
December 31st, 1967	121	86	18	24	249
December 31st, 1968	113	71	18	24	228

* 4.9 per 1,000 civilian population

PULMONARY TUBERCULOSIS DEATH RATE—1954—1968



INFANT MORTALITY RATE—1954—1968

